

**INTERNATIONAL SEARCH REPORT**

International Application No  
PCT/EP2004/052222

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 F02M31/20 F28F1/02 F28D1/047

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F02M F28F F28D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DE 197 02 440 A (BEHR GMBH & CO) 30 July 1998 (1998-07-30) the whole document	1-8
Y	GB 569 000 A (EDWARD FRANK SPANNER) 30 April 1945 (1945-04-30) the whole document	1-8
A	FR 2 487 702 A (PERINELLE ROBERT) 5 February 1982 (1982-02-05) the whole document	1,4-8
A	GB 940 863 A (BABCOCK & WILCOX LTD) 6 November 1963 (1963-11-06) the whole document	1,4-8

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

22 November 2004

Date of mailing of the International search report

06/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

von Arx, H

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP2004/052222

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 19702440	A	30-07-1998	DE	19702440 A1		30-07-1998
GB 569000	A	30-04-1945	GB	606773 A		19-08-1948
FR 2487702	A	05-02-1982	FR	2487702 A1		05-02-1982
GB 940863	A	06-11-1963	FR	1294838 A		01-06-1962
			FR	80324 E		12-04-1963
			FR	80449 E		26-04-1963
			CH	380178 A		31-07-1964